

CLAIMS

NAB

1. A case made of material in the form of a sheet of cardboard or corrugated cardboard, formed from a single blank and comprising a panel at least partially forming a first side wall (2, 58, 81), said panel or said first wall (being designed to be able to be torn off completely by hand by a user, being connected by pre-cut join lines (6, 7, 8, 9; 82, 83, 84, 85) to the first wall and/or to the adjacent walls of the case, said adjacent walls comprising two side walls (or two parts of side walls) and a wall known as the bottom wall of the case,

*TM*¹⁰

*JN*¹⁰

characterized in that (the side walls) or portions of side walls (10, 11; 59, 60; 87, 88) adjacent to the first wall (2, 58, 81) are secured respectively to the bottom wall (3, 86) or to flaps (17, 18) connected to the bottom wall, via at least one pre-cut frangible portion (28, 29; 28', 29'; 35, 37; 41, 42) that can be detached simply by pulling and/or one or more spots of adhesive that can be unstuck by hand, simply by pulling.

2. The case as claimed in claim 1, characterized in that the pre-cut join lines are at least partially formed by fold lines.

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3. The case as claimed in any one of the preceding claims, characterized in that, the walls of the case being formed by leaves and/or flaps of the blank, the precut frangible portions are cut along a line which is open with respect to the edge of the corresponding leaf and/or flap.

4. The case as claimed in any one of the preceding claims, characterized in that the wall opposite the first wall is secured to the bottom wall (3, 86) or to a flap (24, 64, 93) connected to the bottom wall, via at least one precut frangible portion (33, 92) that can be detached simply by pulling and/or one or more spots of adhesive that can be unstuck manually simply by pulling.

5. The case as claimed in claim 4, characterized in that the single blank comprises at least four rectangular leaves, namely a first leaf (2, 58, 81) intended to form the first wall of the case connected by a first join line (6, 82) to a second leaf (3, 86) intended to form the bottom wall of the case and, respectively, by second, third and fourth join lines (7, 8, 9; 83, 84, 85) to adjacent panels forming one or more flaps (10, 11; 90) and at least one rectangular third leaf (4; 62; 87; 88) and a rectangular fourth

leaf (5; 66; 91) intended to form the wall opposite the first wall of the case,

and in that the second leaf (3) comprises two side flaps (17, 18; 17', 18'; 17'', 18''; 63) and an end 5 flap (24; 43; 64; 93), the fourth leaf (5; 66; 91) or the end flap (24; 43; 64; 93) of the second leaf comprising the precut frangible portion (33; 92).

6. The case as claimed in claim 5, characterized in 10 that the second and third join lines (7, 8) are fold lines connecting the first leaf (2) to adjacent flaps (17, 18) intended at least partially, to form the adjacent side walls of the case and the fourth join line (9) is a line connecting the first leaf (2) to a 15 third leaf (4; 62) intended to form the top wall of the case.

7. The case as claimed in claim 5, characterized in 20 that the second and third join lines (83, 84) are fold lines connecting the first leaf (81) to two adjacent leaves (87, 88) intended to form the adjacent walls of the case and the fourth join line (85) is a line connecting the first leaf to a top flap (90) intended to at least partly form the top wall of the case.

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8. The case as claimed in any one of claims 5 to 7, characterized in that the precut frangible portions (28', 29'; 35, 37) are situated on the same side as the first leaf (2) and in that each of the said side flaps 5 (17', 18'; 17'', 18'') of the second leaf (3) comprises at least one additional precut frangible portion (36, 38; 41, 42).

9. The case as claimed in any one of the preceding 10 claims, characterized in that the fourth join line (9, 85) is in the form of a cap astride the fold line (12) between the first wall and the top wall of the case.

10. The case as claimed in any one of the preceding 15 claims, characterized in that the first wall and the opposite wall are associated with a hollowed-out part of the blank allowing a user to perform the tearing-off.

20 11. The case as claimed in any one of the preceding claims, characterized in that at least one precut join line forms a perforated line exhibiting cut portions of length D1 separated each from the next by attachment points of length D2, at least one of the lengths D1 and 25 D2 varying along said perforated line.

12. The case as claimed in claim 11, characterized in
that the perforated line is of rectilinear shape.

13. The case as claimed in claim 11, characterized in
5 that the perforated line is of curved shape or has at
least one corner.

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10 14. The case as claimed in any one of claims 11 to 13,
characterized in that the perforated line has a first
region with cut portions of a first length D1 said to
be a long length, so that the cut can be begun easily
and a high tearing speed can be achieved, followed by a
second region of length D1', shorter than D1, so as to
obtain greater resistance to tearing.

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15. The case as claimed in any one of claims 11 to 14,
characterized in that the perforated line has a first
region with tear points of a first length D2 said to be
a short length, so that the cut can be begun easily and
20 a high tear speed can be achieved, followed by a second
region of length D2', longer than D2, so as to obtain
greater resistance to tearing.

25 16. The case as claimed in any one of claims 11 to 15,
characterized in that the perforated line comprises a
third region having cut portions of a length D1''

longer than D1';, and/or tear points of length D2'' shorter than D2', so as once again to reduce the resistance to tearing.

5 17. A blank (1, 1', 1''; 57, 57'; 80) made of material in the form of a sheet of cardboard or corrugated cardboard for manufacturing a case comprising at least four rectangular leaves, said rectangular leaves comprising a panel at least partially forming a first 10 leaf (2, 58, 81) intended to form a first side wall of the case, said panel being connected by a first join line (6, 82) to a second leaf (3, 86) intended to form the bottom of the case and, respectively, by second, third and fourth join lines (7, 8, 9; 83, 84, 85) to 15 adjacent panels formed by one or more flaps (10, 11; 90) and at least a third leaf (4; 62; 87, 88), and a rectangular fourth leaf (5; 66; 91) intended to form a second side wall of the case opposite the first wall, characterized in that the second leaf (3, 86) comprises 20 two side flaps (17, 18; 17', 18'; 17'', 18''; 63) and an end flap (24, 43; 64; 93), and in that the first, second, third and fourth join lines are precut, and in that the side flaps (17, 18; 63) of the second 25 leaf (3, 86) are each equipped respectively with a precut frangible portion (28, 29; 28', 29'; 35, 37).

18. The blank (1, 1', 1''; 57) as claimed in claim 17,
characterized in that the second and third join lines
(7, 8) are fold lines connecting the first leaf (2) to
adjacent flaps (17, 18) intended at least partially to
5 form side walls of the case and the fourth join line /
(15) is a line connecting the first leaf (2) to a third /
leaf (4; 62) intended to form the top of the case.

✓ 19.
19. The blank (80) as claimed in claim 17,
10 characterized in that the second and third join lines
(83, 84) are fold lines connecting the first leaf (81)
to two adjacent leaves (87, 88) intended to form the
walls of the case and the fourth join line (85) is a
line connecting the first leaf (81) to a top flap (90)
15 intended at least partially to form the top of the
case.

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20. The blank as claimed in any one of claims 17 to 19,
characterized in that the fourth leaf (5; 66; 91) or
the end flap of the second leaf comprise at least one
precut frangible portion (33; 92).

21. The blank as claimed in claim 20, characterized in
that the precut frangible portions (28, 29; 28', 29';
25 35, 37) of the two side flaps of the second leaf are

cut along an open line with one side completely open to the outside of said flaps.

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22. The blank as claimed in either one of claims 20 and 5 21, characterized in that the precut frangible portions (28', 29'; 35, 37) lie on the same side as the first leaf (2) and in that each of said side flaps (17', 18'; 17'', 18'') of the second leaf (3) comprises at least one additional precut frangible portion (36, 38; 41, 10 42).

23. The blank as claimed in any one of claims 17 to 23, characterized in that the fourth join line (15, 18) is in the form of a cap astride the fold line between the 15 first leaf and the adjacent panel.

24. The blank as claimed in any one of claims 17 to 23, characterized in that the precut frangible portion (33, 92) of the fourth leaf (5, 91) and the precut fourth 20 join line (15, 85) are each respectively associated with a hollowed-out part (16, 34) in the blank allowing grasping so that a user can perform tearing.